MVC 121

MVC - Microphone Volume Control and Line Level Mixer

FEATURES

- Mixes two microphone inputs and a stereo line level input
- Inputs: Captive screw connectors
- Outputs: Captive screw connectors
- Audio mixing and volume control via front panel or RS-232
- Two microphone inputs with mic/line level option - DIP switch-selectable
- 48 volt phantom power for condenser microphones
- Fixed and variable line level outputs
- Smooth, 0.5 dB volume transitions
- Front panel volume level LEDs
- Individual volume adjustmen
- Contact closure mute control
- Front panel security lockout
- Rack-mountable 1U, quarter rack width metal enclosure
- External universal power supply included, part # 70-055-01

DESCRIPTION

The Extron **MVC 121** is a high performance Microphone Volume Control and Line Level Mixer. Equipped with RS-232 control capability, the MVC 121 is easy to integrate into existing A/V systems where control needs to be simple and centralized, including such environments as small classrooms and meeting rooms. The MVC 121 is designed for intuitive operation with two microphone/line level inputs and a third, line level-only input, each with its own volume control. The mixer also provides 48V microphone phantom power to enable the use of condenser microphones.

SPECIFICATIONS

AUDIO

Gain from mic input to both fixed and variable outputs at default settings	
Mic DIP switch = line level	Unbalanced output: +20 dB; balanced output: +26 dB
Mic DIP switch = mic level	Unbalanced output: +50 dB; balanced output: +56 dB
Gain from main input to both fixed and variable outputs at default settings	Unbalanced output: 0 dB; balanced output: +6 dB
Master volume range	0 to 92 ("off", and -79 dB to +12 dB in 0.5 dB steps)
Mic 1, 2, and Main 3 gain range	-79 dB to +12 dB in 0.5 dB steps
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N	>90 dB, balanced, at maximum output
Crosstalk	<-80 dB @ 1 kHz, <-60 dB @ 20 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR	>75 dB @ 20 Hz to 20 kHz

NOTE: All input gain default settings are at 80. The master volume default setting is 50 (-30 dB).

AUDIO INPUT

Number / Signal type	
Microphone inputs	2 mono, balanced/unbalanced
Main input	1 stereo, balanced/unbalanced
Connectors	
Microphone inputs	(1) 3.5 mm captive screw connector, 5 pole
Main input	(1) 3.5 mm captive screw connector, 5 pole
Impedance	>10k ohms, DC coupled
Nominal level (mic inputs)	
DIP switch = line level	-30 dBV (32 mV) for a wireless microphone
DIP switch = mic level	-60 dBV (1 mV) for a wired microphone
Nominal level (main input)	-10 dBV (316 mV)
Maximum level	+20 dB above nominal level, (balanced or unbalanced) at 1% THD+N
Input gain adjustment	-79 dB to +12 dB, adjustable per input
Input level sensitivity (mic inputs)	
DIP switch = line level	-42 dBV (8 mV) for nominal output
DIP switch = mic level	-72 dBV (0.25 mV) for nominal output
Input level sensitivity (main input)	-22 dBV (79 mV) for nominal output

AUDIO OUTPUT

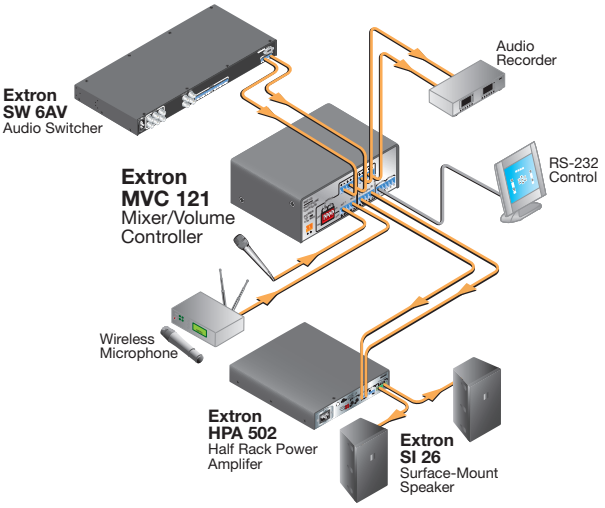
Number / Signal type	2 stereo, balanced/unbalanced
Connectors	(2) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Nominal level	+4 dBu (1.23 V), balanced output (when gain is set to +6 dB) -10 dBV (0.316 V), unbalanced output
Maximum level (Hi-Z)	>+24 dBu, balanced; >+18 dBu, unbalanced at 1% THD+N
Maximum level (600 ohm)	>+15 dBm, balanced at 1% THD+N

CONTROL / REMOTE – MIXER / VOLUME CONTROLLER

Serial control port	RS-232, 3.5 mm female captive screw connector (3 poles of a 6 pole connector)
Contact closure mute control	1 = mic 1, 2 = mic 2, 3 = main input

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, universal; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.5 A
Rack mount	Yes, with optional rack shelves (See optional accessories.)
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 7.6 cm D (Depth excludes connectors and knobs.)
Product / Shipping weight	0.6 lbs (0.3 kg) / 3 lbs (2 kg)



MODEL

MODEL	VERSION DESCRIPTION	PART #
MVC 121	Microphone & Line Level Mixer	60-572-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
RSU 129	1U 9.5" Deep Universal Rack Shelf Kit	page 819	60-190-01
RSF 123	1U 3.5" Deep VersaTools® Rack Shelf Kit	page 818	60-190-20
RSB 129	1U 9.5" Deep Basic Rack Shelf	page 820	60-604-01
RSB 123	1U 3.5" Deep Basic Rack Shelf	page 818	60-604-20

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